**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 2 | "US 20080210970" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/10/07 14:22 |
| S2 | 2783 | "257/99".CCLS. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S3 | 2183 | "438/22".CCLS. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S4 | 56 | "257/E33.063".CCLS. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S5 | 2749 | "257/103".CCLS. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S6 | 4 | ((XUEJUN) near2 (KANG)).INV. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S7 | 2 | ((DAIKE) near2 (WU)).INV. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S8 | 119 | ((EDWARD) near2 (PERRY)).INV. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S9 | 55 | ((SHU) near2 (YUAN)).INV. | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:23 |
| S10 | 172 | S6 S7 S8 S9 | US-PGPUB; USPAT | OR | ON | 2009/10/07 14:24 |
| S15 | 19 | (light adj emit$5) and (electroplat$4 with ((heat adj sink) metal) with ohmic) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/03/25 14:12 |
| S16 | 48 | ("5008718" \| "5376580" \| "5391257" \| "5646067" \| "5789320" \| "5807783" \| "6033925" \| "6046065" \| "6100166" \| "6194245" \| "6258699" \| "6287882").PN. OR ("6468824").URPN. | US-PGPUB; USPAT; USOCR | | ON | 2010/03/25 14:21 |

| S17 | 43 | ("20010042866" \| "3869637" \| "5103271" \| "5185288" \| "5376580" \| "5793062" \| "5828088" \| "5917202" \| "6107648" \| "6222207" \| "6319778" \| "6365951" \| "6462358" \| "6469324" \| "6480389"). PN. OR ("6649437"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 14:22 |
| S18 | 1 | ("6649437").PN. | US-PGPUB; USPAT | OR | OFF | 2010/03/25 14:26 |
| S19 | 65 | S16 S17 | US-PGPUB; USPAT | OR | ON | 2010/03/25 14:27 |
| S20 | 40 | ("20010055324" \| "20020022286" \| "20020034835" \| "20020093023" \| "20020113279" \| "20020137243" \| "20030064535" \| "20030189215" \| "20040065889" \| "20040110395" \| "20040235210" \| "20050098792" \| "20060099730" \| "20060151801" \| "20060154390" \| "20060154391" \| "20060154392" \| "20060154393" \| "20060157721" \| "4107720" \| "5192987" \| "5405804" \| "5654228" \| "6091085" \| "6169297" \| "6210479" \| "6303405" \| "6307218" \| "6365429" \| "6420242" \| "6420732" \| "6426512" \| "6448102" \| "6492661" \| "6562648" \| "6573537" \| "6627921" \| "6649437" \| "6677173" \| "6821804").PN. | US-PGPUB; USPAT | OR | ON | 2010/03/25 14:27 |
| S21 | 13 | ("5242840" \| "5300788" \| "5453405" \| "5744828"). PN. OR ("6319778"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 14:53 |

| S22 | 21 | ("20010019134" \| "20020185648" \| "20030087463" \| "20030143772" \| "20030164503" \| "20030173602" \| "20030178637" \| "4963508" \| "5376580" \| "5391257" \| "5406575" \| "5502316" \| "6169296" \| "6258699" \| "6465809" \| "6468824" \| "6542528" \| "6716654").PN. OR ("6786390").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 15:02 |
|-----|----|----|----|----|----|----|
| S23 | 34 | S21 S22 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 15:12 |
| S24 | 2 | "US 20030189215" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/03/25 15:19 |
| S25 | 4 | ((XUEJUN) near2 (KANG)).INV. | US-PGPUB; USPAT | OR | ON | 2010/03/25 15:20 |
| S26 | 2 | ((DAIKE) near2 (WU)).INV. | US-PGPUB; USPAT | OR | ON | 2010/03/25 15:20 |
| S27 | 121 | ((EDWARD) near2 (PERRY)).INV. | US-PGPUB; USPAT | OR | ON | 2010/03/25 15:20 |
| S28 | 64 | ((SHU) near2 (YUAN)).INV. | US-PGPUB; USPAT | OR | ON | 2010/03/25 15:20 |
| S29 | 183 | S25 S26 S27 S28 | US-PGPUB; USPAT | OR | ON | 2010/03/25 15:20 |
| S30 | 5 | S29 and (light adj emi$5) and electroplat$3 | US-PGPUB; USPAT | OR | ON | 2010/03/25 15:20 |
| S31 | 18 | (ohmic near2 (layer contact)) with ((seed wetting) adj layer) with ((conductive metal) adj (substrate layer)) | US-PGPUB; USPAT | OR | ON | 2010/03/26 10:27 |
| S32 | 21 | ("20010019134" \| "20020185648" \| "20030087463" \| "20030143772" \| "20030164503" \| "20030173602" \| "20030178637" \| "4963508" \| "5376580" \| "5391257" \| "5406575" \| "5502316" \| "6169296" \| "6258699" \| "6465809" \| "6468824" \| "6542528" \| "6716654").PN. OR ("6786390").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 10:51 |

| S33 | 43 | ("20010042866" \| "3869637" \| "5103271" \| "5185288" \| "5376580" \| "5793062" \| "5828088" \| "5917202" \| "6107648" \| "6222207" \| "6319778" \| "6365951" \| "6462358" \| "6469324" \| "6480389"). PN. OR ("6649437"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 10:51 |
|-----|-----|-----|-----|-----|-----|-----|
| S34 | 13 | ("5242840" \| "5300788" \| "5453405" \| "5744828"). PN. OR ("6319778"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 10:51 |
| S35 | 73 | S32 S33 S34 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 10:53 |
| S36 | 3756 | (light adj emi$5) and ((seed wetting) with layer) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:08 |
| S37 | 8104 | ((seed wetting) with layer) with (metal near2 (layer substrate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:09 |
| S38 | 489 | S37 and (light adj emi$5) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:09 |
| S39 | 1786 | ((seed wetting) with layer) with (metal near2 (layer substrate)) with (electroplat$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:12 |
| S40 | 75 | S39 and (light adj emi$5) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:12 |
| S41 | 111 | (light adj emit$5) and (electroplat$4 with (metal near2 (layer substrate)) (heat adj sink)) with (seed wetting) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/03/26 11:18 |
| S42 | 76 | (light adj emit$5) and (electroplat$4 with ((metal near2 (layer substrate)) (heat adj sink)) with (seed wetting) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/03/26 11:22 |
| S43 | 4090 | (electroplat$4 same ((metal near2 (layer substrate)) (heat adj sink))) same (seed wetting) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2010/03/26 11:56 |
| S45 | 184 | S43 and (light adj emi$5) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:57 |
| S46 | 109 | S45 not S42 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 11:57 |

| S47 | 4 | ("5385632" \| "5776512"). PN. OR ("6812067"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/26 12:09 |
| S48 | 992 | ((seed$3 wett$3) near2 layer) with electro$1plat $3 with (metal adj (substrate layer)) | US-PGPUB; USPAT | OR | ON | 2010/03/26 12:24 |
| S49 | 300 | S48 and light | US-PGPUB; USPAT | OR | ON | 2010/03/26 12:24 |
| S50 | 34 | S48 and (light adj emi$5) | US-PGPUB; USPAT | OR | ON | 2010/03/26 12:32 |
| S51 | 1 | (ohmic adj electrode) with 10nm | US-PGPUB; USPAT | OR | ON | 2010/03/26 17:50 |
| S52 | 1050 | ((seed$3 wett$3) near2 layer) with electro$1plat $3 with (metal adj (substrate layer)) | US-PGPUB; USPAT | OR | ON | 2010/09/09 17:52 |
| S53 | 38 | S52 and (ohmic) | US-PGPUB; USPAT | OR | ON | 2010/09/09 17:53 |
| S54 | 3637 | ((seed$3 wett$3) near2 layer) same electro$1plat $3 same ((copper metal) adj (substrate layer contact plug)) | US-PGPUB; USPAT | OR | ON | 2010/09/09 17:57 |
| S55 | 333 | S54 and (epitaxial) | US-PGPUB; USPAT | OR | ON | 2010/09/09 17:58 |
| S56 | 74 | S54 and (epitaxial and ohmic) | US-PGPUB; USPAT | OR | ON | 2010/09/09 17:58 |
| S57 | 24 | ("20030089958" \| "20050051859" \| "4491983" \| "5049521" \| "5973337" \| "6143588" \| "6348682" \| "6483101" \| "6521476" \| "6586721" \| "6614103" \| "6633421" \| "6686580" \| "6703689" \| "6737720").PN. OR ("7038288").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/09 18:18 |
| S58 | 8 | ("20050045901" \| "20050072835" \| "20050184387" \| "20060138444" \| "5777433" \| "6274924" \| "6486499").PN. OR ("7348212").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/09 18:20 |

| S59 | 61 | ("3813587" \| "4238707" \| "4329625" \| "4423478" \| "4983884" \| "5362977" \| "5408120" \| "5410159" \| "5461425" \| "5557115" \| "5563422" \| "5744829" \| "5862167" \| "5886401" \| "5914501" \| "5998232" \| "6016038" \| "6081540" \| "6091085" \| "6121127" \| "6133589" \| "6150774" \| "6169294" \| "RE36747"). PN. OR ("6486499"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/09 18:22 |
|------|------|------|------|------|------|------|
| S60 | 17243 | (light adj emitt$3) and (remov$3 near3 substrate) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/09 18:35 |
| S61 | 216 | S60 and (ohmic adj contact) and (electroplat $3) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/09 18:35 |
| S62 | 17 | ("6091085" \| "6287882"). PN. OR ("6555405"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/09 18:48 |
| S63 | 59 | adhesive with electroplating with seed | US-PGPUB; USPAT | OR | ON | 2010/09/09 19:07 |
| S64 | 43 | adhesive with electroplating with seed with (metal copper) | US-PGPUB; USPAT | OR | ON | 2010/09/09 19:07 |
| S65 | 2 | (("7338822") or ("20080164480")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/09/10 09:43 |
| S66 | 3 | (("3897627") or ("6020261") or ("20030189212")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/09/10 09:45 |
| S67 | 1403 | reflect$3 near2 (adhes$3 adj layer) | US-PGPUB; USPAT | OR | ON | 2011/02/17 18:29 |
| S68 | 604 | S67 and (light adj emi$5) | US-PGPUB; USPAT | OR | ON | 2011/02/17 18:29 |
| S69 | 72 | S68 and (ohmic adj (contact)) | US-PGPUB; USPAT | OR | ON | 2011/02/17 18:30 |
| S70 | 554 | S67 and (light adj emitt $3) | US-PGPUB; USPAT | OR | ON | 2011/02/17 18:30 |
| S71 | 72 | S70 and (ohmic adj (contact)) | US-PGPUB; USPAT | OR | ON | 2011/02/17 18:31 |
| S72 | 1403 | reflect$3 near2 (adhes$3 adj layer) | US-PGPUB; USPAT | OR | ON | 2011/02/18 11:41 |
| S73 | 604 | S72 and (light adj emi$5) | US-PGPUB; USPAT | OR | ON | 2011/02/18 11:41 |
| S74 | 604 | S73 | US-PGPUB; USPAT | OR | ON | 2011/02/18 11:41 |

| S75 | 22 | S74 and electroplat$3 | US-PGPUB; USPAT | OR | ON | 2011/02/18 11:41 |
|-----|----|------------------------|------------------|----|----|--------------------|
| S76 | 96 | ("20010014391" \| "20010019134" \| "20010042866" \| "20020000643" \| "20020137244" \| "20020163302" \| "20030077847" \| "20030122144" \| "20040033638" \| "20040051105" \| "20040259279" \| "20060027831" \| "20060060866" \| "20060175681" \| "20060289886" \| "20070020790" \| "20070048885" \| "20070122994" \| "20090072264" \| "3602982" \| "4141135" \| "4406052" \| "5034068" \| "5040044" \| "5504036" \| "5523589" \| "5592501" \| "5620557" \| "5631664" \| "5661074" \| "5684309" \| "5707745" \| "5729029" \| "5739554" \| "5804834" \| "5929466" \| "5930653" \| "5959307" \| "5972781" \| "5990500" \| "6025251" \| "6066861" \| "6067309" \| "6071795" \| "6078064" \| "6096570" \| "6100104" \| "6100545" \| "6120600" \| "6146916" \| "6172382" \| "6281526" \| "6303405" \| "6320206" \| "6326294" \| "6329216" \| "6335217" \| "6339010" \| "6350998" \| "6358770" \| "6365429" \| "6426512" \| "6455340" \| "6479839" \| "6500689" \| "6510195" \| "6515306" \| "6518079" \| "6551848" \| "6555405" \| "6562648" \| "6586875" \| "6589808" \| "6614060" \| "6624491" \| "6639925" \| "6677173" \| "6711192" \| "6735230" \| "6744196" \| "6746889" \| "6765232" \| "6784463" \| "6803603" \| "6818531" \| "6846686" \| "6869820" \| "6949395" \| "6960488" \| | US-PGPUB; USPAT; USOCR | OR | ON | 2011/02/18 12:11 |

| | | "6992334" \| "7067849" \| "7125737" \| "7148520" \| "7250638" \| "7371597" \| "7402838").PN. OR ("7772020").URPN. | | | | |
|---|---|---|---|---|---|---|
| S77 | 1 | S72 and S76 | US-PGPUB; USPAT; USOCR | OR | ON | 2011/02/18 12:11 |
| S78 | 214 | (257/e29.143).CCLS. | US-PGPUB; USPAT | OR | OFF | 2011/02/18 12:50 |
| S79 | 43 | S78 and (light adj emi$5) | US-PGPUB; USPAT | OR | ON | 2011/02/18 12:50 |
| S80 | 257 | (257/e33.055).CCLS. | US-PGPUB; USPAT | OR | OFF | 2011/02/18 12:52 |
| S81 | 87 | (257/e33.063).CCLS. | US-PGPUB; USPAT | OR | OFF | 2011/02/18 12:52 |
| S82 | 939 | (257/e33.072).CCLS. | US-PGPUB; USPAT | OR | OFF | 2011/02/18 12:53 |
| S83 | 12 | S82 and S72 | US-PGPUB; USPAT | OR | ON | 2011/02/18 12:53 |
| S84 | 2484 | (438/29).CCLS. | US-PGPUB; USPAT | OR | OFF | 2011/02/18 13:05 |
| S85 | 22 | S84 and S74 | US-PGPUB; USPAT | OR | ON | 2011/02/18 13:05 |
| S86 | 33 | (US-20080210970-$ or US-20020137244-$ or US-20020137243-$ or US-20010042866-$ or US-20030189215-$ or US-20080164480-$ or US-20040129991-$ or US-20020068373-$ or US-20030189212-$ or US-20040130263-$ or US-20040191939-$ or US-20050173692-$ or US-20070007889-$ or US-20080185606-$ or US-20060094207-$).did. or (US-6319778-$ or US-6786390-$ or US-6919261-$ or US-5376580-$ or US-6465809-$ or US-5811927-$ or US-6020261-$ or US-6409903-$ or US-6343171-$ or US-6509270-$ or US-7038288-$ or US-6486499-$ or US-4122486-$ or US-7338822-$ or US-3897627-$ or US-6888166-$).did. or (WO-2005029572-$ or US-6649437-$).did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2011/02/18 13:30 |

| S87 | 9 | S72 and S86 | US-PGPUB; USPAT | OR | ON | 2011/02/18 14:34 |
| S92 | 1404 | reflect$3 near2 (adhes$3 adj layer) | US-PGPUB; USPAT | OR | ON | 2011/02/22 13:52 |
| S93 | 33 | (US-20080210970-$ or US-20020137244-$ or US-20020137243-$ or US-20010042866-$ or US-20030189215-$ or US-20080164480-$ or US-20040129991-$ or US-20020068373-$ or US-20030189212-$ or US-20040130263-$ or US-20040191939-$ or US-20050173692-$ or US-20070007889-$ or US-20080185606-$ or US-20060094207-$).did. or (US-6319778-$ or US-6786390-$ or US-6919261-$ or US-5376580-$ or US-6465809-$ or US-5811927-$ or US-6020261-$ or US-6409903-$ or US-6343171-$ or US-6509270-$ or US-7038288-$ or US-6486499-$ or US-4122486-$ or US-7338822-$ or US-3897627-$ or US-6888166-$).did. or (WO-2005029572-$ or US-6649437-$).did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2011/02/22 13:52 |
| S94 | 9 | S92 and S93 | US-PGPUB; USPAT | OR | ON | 2011/02/22 13:52 |
| S95 | 6 | (("6380564") or ("6589857") or ("20030178626") or ("20030218179") or ("20040031967") or ("20040217362")).PN. | US-PGPUB; USPAT | OR | OFF | 2011/02/22 16:47 |

**2/ 24/ 2011 6:13:06 PM**
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